

William P. Marshall

Forensic Toxicologist
Washington State Patrol Toxicology Laboratory
2203 Airport Way South, Suite 360
Seattle, WA 98134-2027
Ph: (206) 262-6100 Fax: (206) 262-6145

Professional Experience

Washington State Patrol Toxicology Laboratory

Airport Way, Seattle	2000 – Present	Forensic Toxicologist
Harborview, Seattle *	1986 - 1988	Forensic Toxicologist

*The Toxicology laboratory was part of the University of Washington until 1999 when it was made part of the State Patrol.

Washington State Patrol Crime Laboratory

Seattle Laboratory	1988 - 2000	Forensic Scientist
Everett Laboratory	1984 - 1986	Forensic Scientist

Bioscience Laboratories, Orange Co Branch

Garden Grove, CA	1980 - 1984	Asst. Supervisor
-------------------------	-------------	------------------

Idaho State Forensic Laboratory

Boise, Idaho	1972 - 1980	Senior Criminalist
---------------------	-------------	--------------------

TechniChem Corporation

Boise, Idaho	1972	Production Head
---------------------	------	-----------------

Education

Bachelor of Science, Chemistry	Boise State University	Dec. 1971
--------------------------------	------------------------	-----------

Forensic Training Courses

Drugs and Toxicology:

Marijuana: A Forensic Symposium	NWAFS workshop	2004
Forensic Application of LC/MS	NWAFS workshop	2004
The Effects of Drugs on Human Performance and Behavior	Indiana University	2003
NHTSA/DOT Field Sobriety Tests	Seattle Police Department	2002
NHTSA/DOT Drugs That Impair Driving	Seattle Police Department	2002
Methamphetamine from Cradle to Grave	NWAFS workshop	2000
The Rave Culture / DRE seminar	Jim Mock	2000
International Conference on Drugs and Driving, Seattle		2000
Alcohol Absorption and Dissipation	NWAFS workshop	1988
GC/MS Operator Training	Hewlett-Packard Corp	1988
Breath Alcohol Programs	Indiana University	1986
Capillary Gas chromatography	Hewlett-Packard Corp	1982
Use and Abuse of Drugs	Boise State University	1979
Screening for Drugs Of Abuse	Centers for Disease Control	1974
Forensic Chemist Seminar	Drug Enforcement Administration	1973

William P. Marshall

Trace and Microanalysis:

Microscopy of Botanical Traces	McCrone Research Institute	1992
Vehicle Lamp Workshop	Traffic Institute, Northwestern U. /MWAFS	1999
Analytical Pyrolysis	NWAFS /Thomas Wampler	1998
Microscopic Exam of Explosives	NWAFS /Thomas Hopin	1996
Advanced Forensic Microscopy	McCrone Research Institute	1992
Tire Footprint Identification	Peter McDonald (thru NWAFS)	1991
Hair Identification	C.I.C., Gary Cortner	1990
Microscopy	Ziess Corporation	1977
Forensic Glass Analysis	FBI Academy	1976
Crime Scene Photography	Idaho POST Academy	1975
Conference on Polymers	FBI Academy	1974

Professional Associations

American Academy of Forensic Sciences (AAFS)
Northwest Association of Forensic Scientists (NWAFS) President 2003-2004
California Association of Toxicologists (CAT)

Certification

Diplomat - American Board of Criminalistics (ABC)

Presentations

<i>A Small Laboratory Toxicology Program</i>	NWAFS Meeting, Seattle WA, Spring 1977
<i>Comparison of Various Remote Breath Testing Devices</i>	NWAFS Meeting, Boise ID, Spring 1980
<i>An "ELISA" Cocaine Assay Adapted to Whole Blood Samples</i>	CAT Quarterly Meeting, Costa Mesa CA, May 1988
<i>Boronic Acid Derivatives in Forensic Examinations</i>	A.O.A.C Regional Meeting, Olympia WA June 1993
<i>Infrared Identification of Some Organic and Inorganic Pigment Combinations Used in Automotive Topcoats: Differences in Spectra of Nonmetallic Finishes Having Similar Colors(Poster Presentation - co-author E.M. Suzuki)</i>	International Symposium on the Forensic Examination of Trace Evidence in Transition, San Antonio, TX, June 1996
<i>The Presence of N-Methyl-1-(1-(1,4 Cyclohexadienyl))-2-Propanamine, a Birch Reduction Product, in Methamphetamine Positive Toxicology Samples (Poster – Co-Author B. Logan</i>	2003 Meeting of the Society of Forensic Toxicologists (SOFT) Portland, OR

Publications

Marshall, William, *Boronic Acid Derivatives for Ephedrine and Pseudoephedrine*. NWAFS Newsletter **19** #4 pp 13-14 December 1993

E.M. Suzuki and W.P. Marshall, *In Situ Identification of Some Organic Pigments Used in Yellow, Orange and Red Nonmetallic Automotive Finishes Using Infrared Spectroscopy*. Crime Laboratory Digest **23**: No 1 Spring 1996 20-21

William P. Marshall

Suzuki EM, Marshall WP. *Infrared spectra of U.S. automobile original topcoats (1974-1989): III. In situ identification of some organic pigments used in yellow, orange, red, and brown nonmetallic and brown metallic finishes -- benzimidazolones.* J Forensic Sci 1997;42(4):619-648

Suzuki EM, Marshall WP. *Infrared spectra of U.S. automobile original topcoats (1974-1989): IV. Identification of some organic pigments used in red, and brown nonmetallic and brown metallic monocoats -- quinacridones.* J Forensic Sci 1998;43(3):514-542